SANYO

PORTABLE CASSETTE RECORDER M2533 (REVISED EDITION) SERVICE MANUAL

141 797 07

SPECIFICATIONS

Tape Speed	1-7/8 ips.	±3%
Fast Forward Time	90 sec. (C-60 cassette)	
Rewind Time	90 sec. (C-60 cassette)	
Wow & Flutter	0.3% RMS.	
Terminal Impedance	MIC.	4.7 k-ohm
	DIN INPUT	4.7 k-ohm
	DIN OUTPUT	22 k-ohm
	EXT. Speaker	4 ~ 8 ohm
Closstalk	Better than 55 dB (track to track)	

Signal to Noise ratio	Better than 45 dB
Hum & Noise	Less than 40 dB
Output Power	1.5 W (maximum)
Frequency Response	125 ~ 8,000 Hz
Power Consumption	5.0 W
Current Consumption	Play 130mA (at VR min.)
	F. Forward 210mA
	REW. 210mA

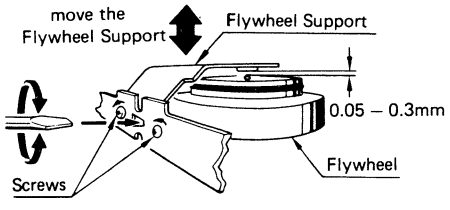
—Specifications subject to change without notice.—

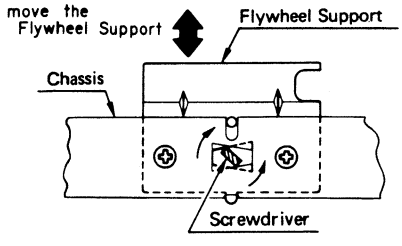
GENERAL REMARKS

Before attempting to adjust the mechanism of this unit, wipe the tape contacting surfaces (of the sensor, pinch roller, R/P head, Erase head and capstan) clean as well as the contact surfaces of the driving parts (the motor pulley, flywheel, take-up pulley, take-up reel, idler roller, rewind roller and supply reel) with a piece of soft cloth soaked in alcohol. Oil and grease stains may cause trouble.
Do not clean the drive belt with alcohol-soaked fabric because it is specially surface-treated. Replace the belt with a new one if it is stained with grease or oil.

FLYWHEEL SUPPORT ADJUSTMENT

1. The clearance between the flywheel support and the flywheel should be 0.05 – 0.3mm.
2. Loosen the two fastening screws and put a screwdriver into the adjusting hole. Then adjust the flywheel support position by turning it as illustrated.

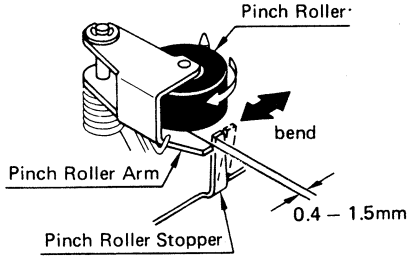




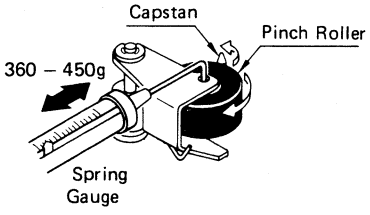
3. After the adjustment, retighten the fastening screws and fix them with paint or glue to prevent them from loosening.
   NOTE:
   Put the chassis upside down and measure the clearance correctly.

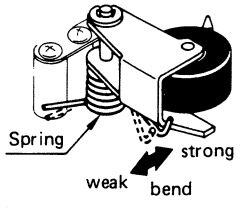
PINCH ROLLER ADJUSTMENT

1. The clearance between the pinch roller arm and the pinch roller stopper should be 0.4 – 1.5mm with the unit in the playback mode.
2. If necessary, adjust the clearance by bending the pinch roller stopper as illustrated.



3. Measure the pinch roller pressure with a spring gauge (500g) in the playback mode following the next procedure:
4. Hook the spring gauge on the pinch roller and put it away from the capstan. Measure the pressure at the moment when the pinch roller comes in contact with the capstan again or the pinch roller starts revolving. It should be 360 – 450g.
5. If necessary, adjust the pressure by bending the spring or replace the spring with a new one.

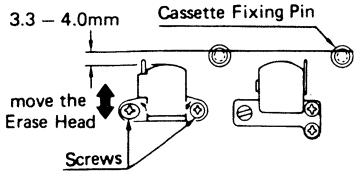




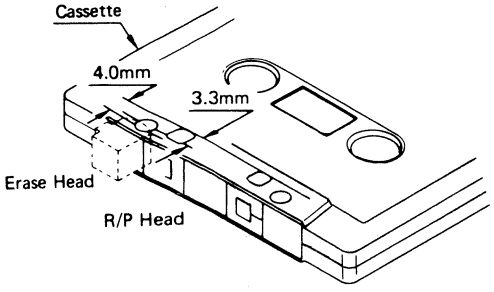
HEAD POSITION ADJUSTMENT

After the Erase Head has been replaced or disassembled, adjust its position following the next procedures:

1. When the unit is in the playback mode, the distance from the cassette fixing pins to the Erase Head should be as follows:

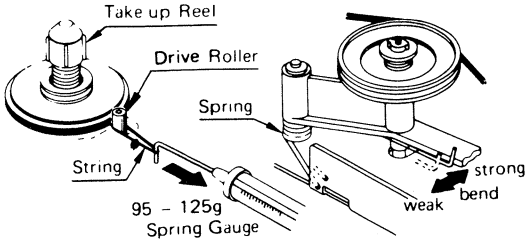


2. Loosen the screws and adjust the head to the specified position by moving it as illustrated.
3. After the adjustment, retighten the screws and secure them with paint or glue.
   NOTE:
   A cassette with the specified pin–head distances marked on it can be used as a very convenient gauge for the head position adjustment. (Do not use a worn cassette.)

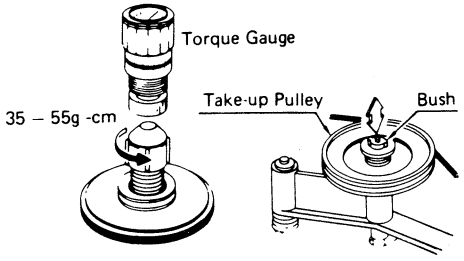


TAKE-UP TORQUE ADJUSTMENT

1. Set the unit in the playback mode and measure the drive roller pressure with the same procedure as in the pinch roller pressure measurement. It should be 95 – 125g.
   * If necessary, adjust the pressure by bending the spring or replace the spring with a new one.



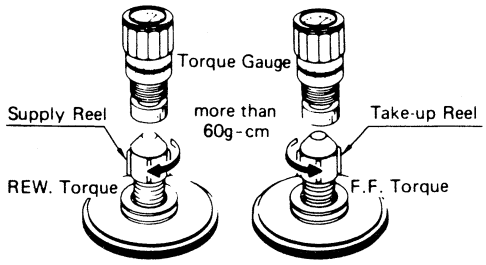
2. Measure the torque of the take-up reel with a torque guage in the playback mode. It should be 35 – 55g-cm.
   * If necessary, adjust the torque by moving the bush up and down as illustrated.



NOTE:
The take-up torque of 35 – 55g-cm is needed at the drive roller pressure of 95 – 125g for proper performance.

FAST-FORWARD & REWIND TORQUE

1. The fast-forward and rewinding torque value should be more than 60g-cm.

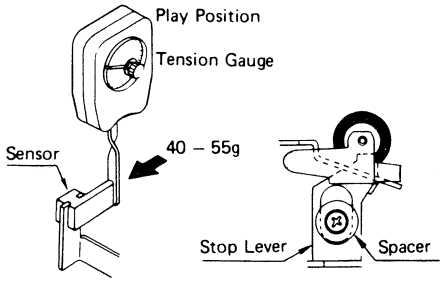


2. If the fast-forward torque value is smaller than 60g-cm, replace the take-up reel or the idler roller with a new one.
3. If the rewinding torque value is smaller than 60g-cm, replace the supply reel, the idler roller or the rewind roller.
   NOTE:
   The full scale should be 160g-cm, when the cassette-type torque meter is used.

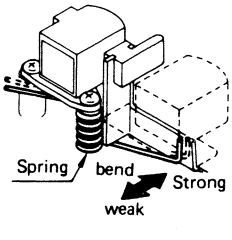
AUTO SHUT-OFF ADJUSTMENT

The auto shut-off mechanism automatically switches off the unit at the end of the tape in playback or recording operation.
If necessary, adjust the auto shut-off mechanism following the next procedures:

1. Set the unit in the playback mode. Then apply a tension gauge to the sensor as illustrated. Push the sensor with the tension gauge in the indicated direction and measure the sensor pressure when the hole of stop lever overlaps with the spacer as illustrated. It should be 40 – 55g.



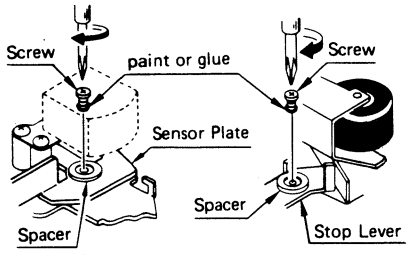
2. If the pressure is less than 35g, adjust the pressure by bending the spring or replace it with a new one.



3. If the pressure is more than 55g, check or adjust the mechanism in the order, A, B, C following next:

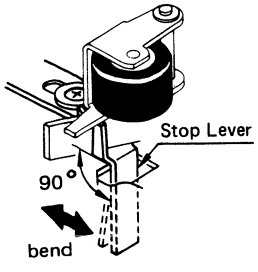
A. Check the looseness of the fastening screw on the sensor plate and the stop lever.
   * If the screw is loose, apply paint or glue to the threads of the screw before retightening them.

NOTE:
The R/P head has to be removed in order to retighten the sensor plate screw.



B. Wipe out grease and oil on the area between the slide base and the sensor plate, the slide base and the stop lever if necessary.
C. Adjust the sensor pressure by bending the spring to decrease its force or replace it with a new one.

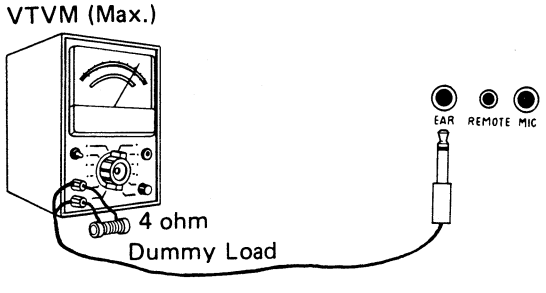
4. The curved piece of the stop lever should be bent to 90 degrees.
   * If necessary, bend it at proper angles as illustrated.



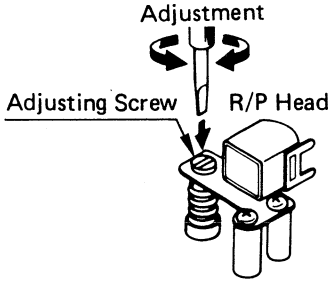
HEAD AZIMUTH ADJUSTMENT

After the replacement or disassembly of the R/P Head, its head azimuth should be adjusted.
Follow the instructions given below:

1. Connect a VTVM with a 4 ohm dummy load to the earphone jack.

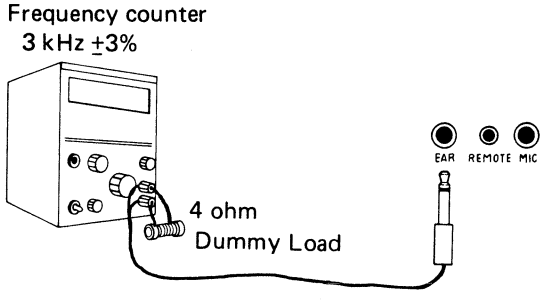


2. Play back an 8 kHz test tape.
   Turn the azimuth adjusting screw to obtain the maximum reading on the VTVM while the test tape is being played back.
3. After the adjustment, secure the adjusting screw by applying paint or glue.



TAPE SPEED ADJUSTMENT

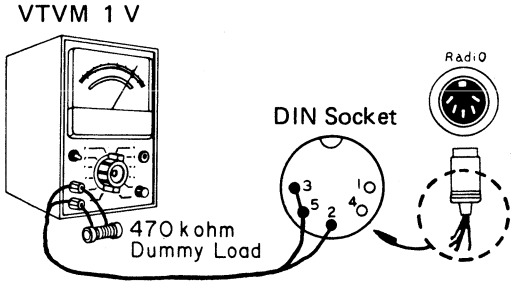
1. Connect a frequency counter with a 4 ohm dummy load to the earphone jack as illustrated.



2. Play back a 3 kHz test tape.
   Turn the potentiometer inside the motor and adjust it to obtain 3 kHz ±3% on the frequency counter.

DIN OUTPUT ADJUSTMENT

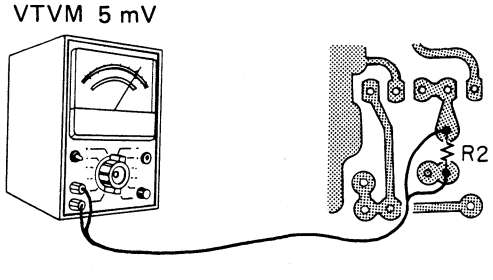
1. Connect a VTVM with a 470 k-ohm dummy load to the terminals No.3 (or 5) and No.2 of the DIN socket as illustrated.



2. Play back the test tape (such as TEAC MTT-112B) where 1 kHz, 0 dB is recorded and adjust the potentiometer (P2) to obtain 1 V on the VTVM.

RECORDING BIAS ADJUSTMENT

1. Connect a VTVM across the resistor R2 (10 ohm) and set the unit in the recording mode.
2. Adjust the potentiometer (P1) to obtain 5mV on the VTVM.



PARTS LIST

Ref. No.	Part No.	Description	Q'ty
	MECHANISM		
	141 0 3119 096 00	Assy Chassis	1
SW4	4 2319 710 90	Switch	1
SW2	4 2319 720 10	Switch Leaf	1
	4 2429 702 80	Erase Head	1
	4 2429 707 80	R P Head	1
	4 5279 707 61	Motor	1
	CC2 2 3500 ZG0 0C	CC 0.022MF 50V Z	1
	CD1 0 6100 000 0V	CD V 10MF 10V	1
	CD1 0 6100 000 0V	CD V 10MF 10V	1
	101 3 1302 008 11	+PMS M2.0x8	2
	101 3 1302 606 11	+PMS M2.6x6	1
	101 3 1302 606 11	+PMS M2.6x6	2
	101 3 1802 004 11	+TMS M2.0x4	4
	101 3 1802 004 11	+TMS M2.0x4	1
	101 3 1802 004 11	+TMS M2.0x4	1
	101 3 2502 006 11	-CMS M2.0x6	1
	103 3 1302 606 11	+PTS-2 M2.6x6	1
	103 3 1302 606 11	+PTS-2 M2.6x6	1
	103 3 1302 606 11	+PTS-2 M2.6x6	1
	103 3 1302 612 11	+PTS-2 M2.6x12	1
	110 3 1202 300 11	FW M2.3	1
	110 3 1303 000 11	RW M3.0	1
	110 3 9200 700 34	Washer M2.0x7x0.3	1
	112 3 1301 200 40	E Ring M1.2	2
	112 3 1301 200 40	E Ring M1.2	1
	112 3 1301 500 40	E Ring M1.5	1
	112 3 1302 000 40	E Ring M2.0	1
	112 3 1302 000 40	E Ring M2.0	1
	112 3 1302 000 40	E Rinf M2.0	1
	112 3 1302 000 40	E Ring M2.0	1
	112 3 1302 500 40	E Ring M2.5	1
	135 3 1302 606 11	PMS C PW M2.6x6	1
	141 0 3519 008 00	Assy Support Fly	1
	141 0 5219 016 00	Assy Flywheel	1
	141 0 5419 015 00	Asst Pinch Roller	1
	141 0 5519 026 02	Assy Take up Pulley	1
	141 0 5559 012 00	Assy Arm Idler	1
	141 0 5559 013 00	Assy Arm Rewind	1
	141 0 7319 125 00	Assy Base Slide	1
	141 0 7319 126 00	Assy Sl Pl Eject	1
	141 0 7419 093 00	Assy Plate Sensor	1
	141 0 7419 094 01	Assy Link	1
	141 0 8419 023 00	Assy Plate Record	1
	141 2 3519 208 00	Brkt Chassis	1
	141 2 3519 247 00	Brkt Din Socket	1
	141 2 3529 117 00	Spacer Stop	1
	141 2 3529 117 01	Spacer Record	1
	141 2 3529 119 00	Spacer Base	1
	141 2 3529 123 00	Spacer	1
	141 2 3659 083 00	Brkt SW Base	1
	141 2 3829 179 00	Spacer Eject	1
	141 2 4219 037 00	Screw Plate Brake	1
	141 2 4219 042 00	Screw	2
	141 2 4219 090 00	Screw	1
	141 2 4539 067 00	Washer	1
	141 2 4619 055 00	Tube	1
	141 2 4729 034 00	Lug	1
	141 2 4729 036 00	Lug	1
	141 2 4729 036 00	Lug	2
	141 2 5319 035 00	Fin Reel	2
	141 2 5319 036 00	Reel	2
	141 2 5369 004 00	Cap Reel Plate	1
	141 2 5519 021 00	Joint	1
	141 2 5519 094 00	Idler Roller	1
	141 2 5649 002 01	Square Driving Belt	1
	141 2 7149 011 00	Brake	1
	141 2 7319 177 01	Plate Select	1
	141 2 7319 209 00	Lock Lid Cassette	1
	141 2 7419 251 00	Lever Review	1
	141 2 7419 270 00	Lever Rec Stop	1
	141 2 7419 271 00	Lever Stop	1
	141 2 8419 006 00	Interlock Lever	1
	141 2 8519 018 00	Spg Rewind Roller	1
	141 2 8519 018 00	Spg Rewind Roller	1

Ref. No.	Part No.	Description	Q'ty
	MECHANISM		
	141 2 8519 055 00	Spg Actuator Eject	1
	141 2 8519 130 00	Spg Rewind Lever	1
	141 2 8519 131 00	Spg Record Interlock	1
	141 2 8519 189 00	Spg Idler	1
	141 2 8519 244 00	Spg Azimuth	1
	141 2 8519 341 00	Spg Rew	1
	141 2 8519 409 00	Spg Pinch Roller	1
	141 2 8519 410 00	Spg Take up	1
	141 2 8519 414 00	Spg Idler	1
	141 2 8519 425 00	Spg Review	1
	141 2 8519 468 00	Spg Reel	2
	141 2 8519 472 00	Spg Auto Shut Off	1
	141 2 8519 489 00	Spg Slide Base	1
	141 2 8539 017 00	Spg Interlock Lever	1
	141 2 8539 147 00	Spg Cassette	1
SW5	4 2319 720 70	Switch Slide	1
SW6	4 2319 720 70	Switch Slide	1
	101 3 1202 004 11	+FMS M2.0x4	4
	101 3 1302 003 11	+PMS M2.0x3	2
	103 3 1302 006 11	+PTS-2 M2.0x6	1
	103 3 1302 606 11	+PTS-2 M2.6x6	1
	103 3 1302 606 11	+PTS-2 M2.6x6	1
	103 3 1302 606 11	+PTS-2 M2.6x8	2
	141 0 1619 136 00	Assy Button Select	1
	141 2 1519 153 00	Plate Button	5
	141 2 2419 147 00	Sheet SW	2
	141 2 3659 082 00	Brkt SW	1
	141 2 5649 060 00	Belt Counter	1
	141 2 8119 024 00	Counter	1
	141 2 8139 020 00	Brkt Counter	1
	P.C.B. ASSY. AMP.		
	4 1329 725 00	AMP	1
VR1	4 2229 710 70	Control Volume C-10K	1
VR2	4 2229 710 70	Control Volume C-10K	1
P1	4 2229 721 00	Potentiometer B-220K	1
P2	4 2229 725 40	Potentiometer B-10K	1
	4 2269 776 80	PCB	1
SW1	4 2319 705 90	Switch Slide	1
	4 2319 719 00	Switch Slide	1
	4 2359 713 91	Jack 1P (EAR.)	1
	4 2359 713 91	Jack 1P (MIKE.)	1
	4 2359 715 51	DIN Socket 5P	1
	4 2359 717 90	Jack 1P (REMOTE.)	1
L1	4 2559 700 30	Coil (33 mH)	1
L2	4 2559 700 30	Coil (33 mH)	1
T1	4 2589 703 00	OSC Trans	1
C1	CA1 0 4100 X00 0V	CA 0.1MF 10V X	1
C40	CC1 0 1500 KD0 0C	CC 100PF 50V K	1
C9	CC1 0 2500 KE0 0C	CC 0.001MF 50V K	1
C12	CC1 0 2500 KE0 0C	CC 0.001MF 50V K	1
C7	CC1 5 2500 KE0 0C	CC 0.0015MF 50V K	1
C15	CC1 5 2500 KE0 0C	CC 0.0015MF 50V K	1
C14	CC2 2 1500 KD0 0C	CC 220PF 50V K	1
C25	CC2 2 1500 KD0 0C	CC 220PF 50V K	1
C3	CC3 3 1500 KD0 0C	CC 330PF 50V K	1
C42	CC4 7 1500 KD0 0C	CC 470PF 50V K	1
C8	CC6 8 1500 KE0 0C	CC 680PF 50V K	1
C10	CD1 0 5100 000 0V	CD V 1MF 10V	1
C39	CD1 0 5100 000 0V	CD V 1MF 10V	1
C11	CD1 0 6100 000 0V	CD V 10MF 10V	1
C26	CD1 0 6100 000 0V	CD V 10MF 10V	1
C27	CD1 0 6100 000 0V	CD V 10MF 10V	1
C32	CD1 0 6100 000 0V	CD V 10MF 10V	1
C36	CD1 0 6100 000 0V	CD V 10MF 10V	1
C38	CD1 0 6100 000 0V	CD V 10MF 10V	1
C16	CD1 0 7100 000 0V	CD M 100MF 10V	1
C23	CD1 0 7100 000 0V	CD M 100MF 10V	1
C5	CD1 0 763A 000 0V	CD V 100MF 6.3V	1
C18	CD1 0 763A 000 0V	CD V 100MF 6.3V	1
C24	CD1 0 763A 000 0V	CD V 100MF 6.3V	1
C33	CD1 0 8100 000 0H	CD H 1000MF 10V	1
C22	CD2 2 663A 000 0V	CD V 22MF 6.3V	1

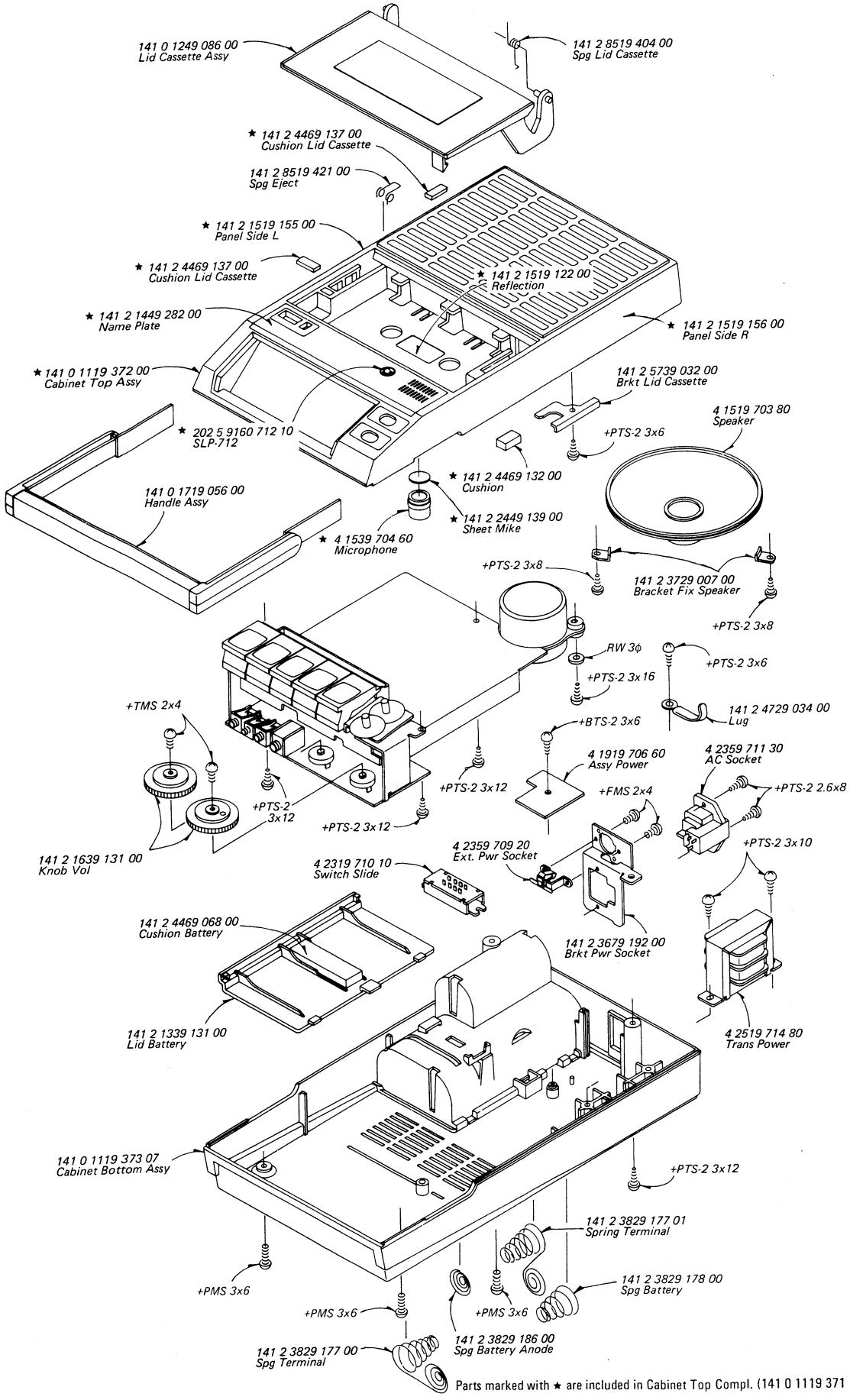
PARTS LIST

Ref. No.	Part No.	Description	Q'ty
	P.C.B. ASSY. AMP.		
C41	CD2 2 7100 000 OV	CD V 220MF 10V	1
C20	CD2 2 763A 000 OV	CD V 220MF 6.3V	1
C30	CD2 2 763A 000 OV	CD V 220MF 6.3V	1
C28	CD4 7 4100 000 OV	CD V 0.47MF 10V	1
C21	CD4 7 5100 000 OH	CD H 4.7MF 10V	1
C6	CD4 7 5100 000 OV	CD V 4.7MF 10V	1
C34	CD4 7 7100 000 OV	CD V 470MF 10V	1
C31	CD4 7 763A 000 OV	CD V 470MF 6.3V	1
C17	CM1 0 3500 K00 SV	CM92 0.01MF 50V K	1
C13	CM1 5 3500 K00 SV	CM92 0.015MF 50V K	1
C35	CM2 2 3500 K00 SV	CM92 0.022MF 50V K	1
C4	CM6 8 2101 K00 NV	CM93 0.0068MF 100V K	1
C29	CM8 2 2500 K00 SV	CM92 0.0082MF 50V K	1
C19	CM8 2 3500 K00 SV	CM92 0.082MF 50V K	1
R2	RD1 0 0251 KV0 00	RD ELR 1/4W 10 K	1
R19	RD1 0 0251 KV0 00	RD ELR 1/4W 10 K	1
R8	RD1 0 1251 KV0 00	RD ELR 1/4W 100 K	1
R6	RD1 0 2251 KV0 00	RD ELR 1/4W 1K K	1
R25	RD1 0 2251 KV0 00	RD ELR 1/4W 1K K	1
R26	RD1 0 2251 KV0 00	RD ELR 1/4W 1K K	1
R36	RD1 0 2251 KV0 00	RD ELR 1/4W 1K K	1
R41	RD1 0 5251 KV0 00	RD ELR 1/4W 1M K	1
R18	RD1 2 2251 KH0 00	RD R 1/4W 1.2K K	1
R3	RD1 2 2251 KV0 00	RD ELR 1/4W 1.2K K	1
R14	RD1 5 3251 KV0 00	RD ELR 1/4W 15K K	1
R20	RD2 2 1251 KV0 00	RD ELR 1/4W 220 K	1
R32	RD2 2 1251 KV0 00	RD ELR 1/4W 220 K	1
R40	RD2 2 1251 KV0 00	RD ELR 1/4W 220 K	1
R5	RD2 2 2251 KV0 00	RD ELR 1/4W 2.2K K	1
R34	RD2 2 3251 KV0 00	RD ELR 1/4W 22K K	1
R9	RD2 4 2251 KV0 00	RD ELR 1/4W 2.4K K	1
R22	RD2 7 0251 KV0 00	RD ELR 1/4W 27 K	1
R29	RD2 7 0251 KV0 00	RD ELR 1/4W 27 K	1
R1	RD2 7 2251 KV0 00	RD ELR 1/4W 2.7K K	1
R39	RD2 7 2251 KV0 00	RD ELR 1/4W 2.7K K	1
R33	RD2 7 3251 KV0 00	RD ELR 1/4W 27K K	1
R24	RD3 3 1251 KV0 00	RD ELR 1/4W 330 K	1
R17	RD3 3 2251 KH0 00	RD R 1/4W 3.3K K	1
R16	RD3 3 2251 KV0 00	RD ELR 1/4W 3.3K K	1
R7	RD3 3 3251 KV0 00	RD ELR 1/4W 33K K	1
R15	RD3 9 0251 KV0 00	RD ELR 1/4W 39 K	1
R28	RD3 9 2251 KV0 00	RD ELR 1/4W 3.9K K	1
R31	RD4 7 0251 KV0 00	RD ELR 1/4W 47 K	1
R12	RD4 7 2251 KH0 00	RD R 1/4W 4.7K K	1
R4	RD4 7 2251 KV0 00	RD ELR 1/4W 4.7K K	1
R21	RD4 7 2251 KV0 00	RD ELR 1/4W 4.7K K	1
R37	RD4 7 2251 KV0 00	RD ELR 1/4W 4.7K K	1
R10	RD4 7 3251 KV0 00	RD ELR 1/4W 47K K	1
R35	RD4 7 3251 KV0 00	RD ELR 1/4W 47K K	1
R38	RD4 7 4251 KV0 00	RD ELR 1/4W 470K K	1
R23	RD5 1 1251 JV0 00	RD ELR 1/4W 510 J	1
R27	RD5 6 1251 KV0 00	RD ELR 1/4W 560 K	1
R30	RD6 8 0251 KV0 00	RD ELR 1/4W 68 K	1
R11	RD6 8 2251 KV0 00	RD ELR 1/4W 6.8K K	1
R13	RD8 2 3251 KV0 00	RD ELR 1/4W 82K K	1
	141 2 1639 131 00	Knob Vol	2
D2	202 5 9110 188 10	1S188-AM	1
D1	202 5 9531 010 10	WG1010A	1
Q3	203 5 0400 022 25	2SB22	1
Q1	203 5 5100 536 60	2SC536	1
Q2	203 5 5100 536 60	2SC536	1
TH1	204 5 9000 000 90	SDT09	1
IC1	206 5 0723 201 10	LA-3201	1
IC2	206 5 0824 101 12	LA-4101S	1
	101 3 1802 004 11	+TMS M2.0x4	2
	110 3 1203 000 11	FW M3.0	1
	141 2 3229 111 00	Plate Shield	1
	101 3 1303 006 11	+PMS M3.0x6	1

Ref. No.	Part No.	Description	Q'ty
	CABINET		
	4 1519 703 80	Speaker	1
	103 3 1303 006 11	+PTS-2 M3.0x6	1
	103 3 1303 008 11	+PTS-2 M3.0x8	2
	141 0 1119 371 00	Cabinet Top Compl.	1
	4 1539 704 60	Microphone	1
	141 0 1119 372 00	Cabinet Top Assy	1
	141 2 1449 282 00	Name Plate	1
	141 2 1519 122 00	Reflection	1
	141 2 1519 155 00	Panel Side L	1
	141 2 1519 156 00	Panel Side R	1
	141 2 2449 139 00	Sheet Mike	1
	141 2 4469 132 00	Cushion	1
	141 2 4469 137 00	Cushion Lid Cassette	2
	202 5 9160 712 10	SLP-712	1
	141 0 1249 086 00	Lid Cassette Assy	1
	141 2 3729 007 00	Bracket Fix Speaker	2
	141 2 5739 032 00	Brkt Lid Cassette	1
	141 2 8519 404 00	Spg Lid Cassette	1
	141 2 8519 421 00	Spg Eject	1
	4 1919 706 60	Assy Power	1
	4 2269 767 30	PCB Power	1
D3	202 5 2300 017 101	DS17	1
	4 2319 710 10	Switch Slide	1
	4 2359 709 20	Ext. Pwr Socket	1
	4 2359 711 30	AC Socket	1
	4 2519 714 80	Trans Power	1
	101 3 1202 004 11	+FMS M2.0x4	2
	103 3 1302 608 11	+PTS-2 M2.6x8	2
	103 3 1303 010 11	+PTS-2 M3.0x10	2
	103 3 1703 006 11	+BTS-2 M3.0x6	1
	103 3 1703 006 11	+BTS-2 M3.0x6	1
	141 0 1119 373 07	Cabinet Bottom Assy	1
	141 2 1339 131 00	Lid Battery	1
	141 2 3679 192 00	Brkt Pwr Socket	1
	141 2 3829 177 00	Spg Terminal	1
	141 2 3829 177 01	Spring Terminal	1
	141 2 3829 178 00	Spg Battery	1
	141 2 3829 186 00	Spg Battery Anode	1
	141 2 4469 023 00	Cushion Indicator	1
	141 2 4469 068 00	Cushion Battery	1
	141 2 4729 034 00	Lug	1
	141 6 4559 001 00	Serial No Sheet	1
	101 3 1303 006 11	+PMS M3.0x6	3
	103 3 1303 012 11	+PTS-2 M3.0x12	3
	103 3 1303 012 11	+PTS-2 M3.0x12	1
	103 3 1303 016 11	+PTS-2 M3.0x16	1
	110 3 1303 000 11	RW M3.0	1
	141 0 1719 056 00	Handle Assy	1
	ACCESSORIS		
	4 2419 738 10	Assy Cassette	1
	4 2439 704 90	Cord Power	1
	141 6 2519 057 90	Pouch Poly	1
	141 6 4119 556 00	Instruction Book	1
	141 6 4729 019 00	Label Caution	1
	PACKAGE		
	141 6 1419 254 00	Individual Carton	1
	141 6 1449 366 00	Case Styrofoam	1
	141 6 1449 367 00	Case Styrofoam	1
	141 6 2519 220 41	Poly Cover	1
	141 6 4559 001 00	Serial No Sheet	1

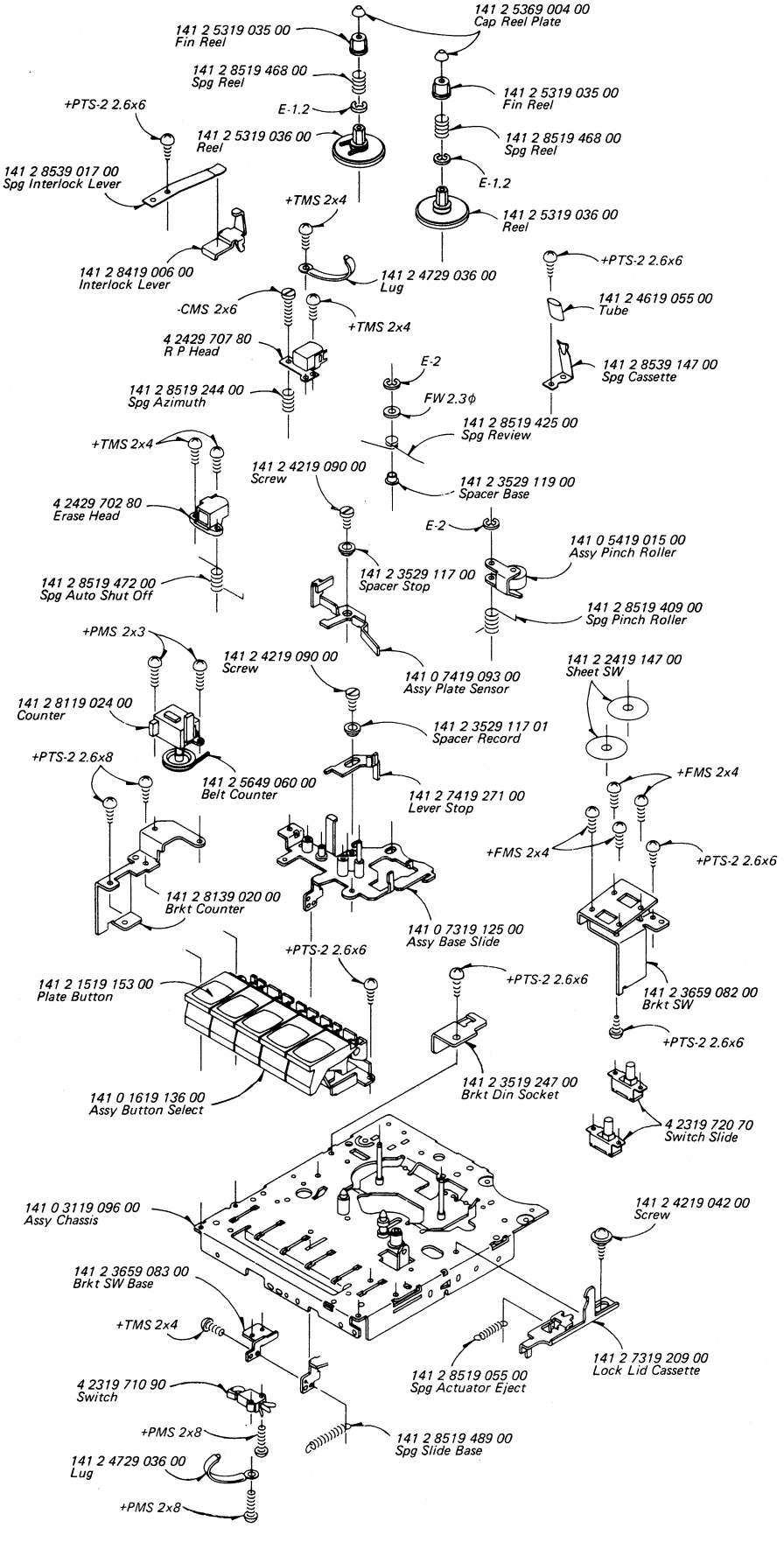
NOTES: 1. Parts order must contain Model Number, Part Number and Description.
2. Ordering quantity of screws and resistors must be multiple of 10 pcs.

EXPLODED VIEW (CABINET)

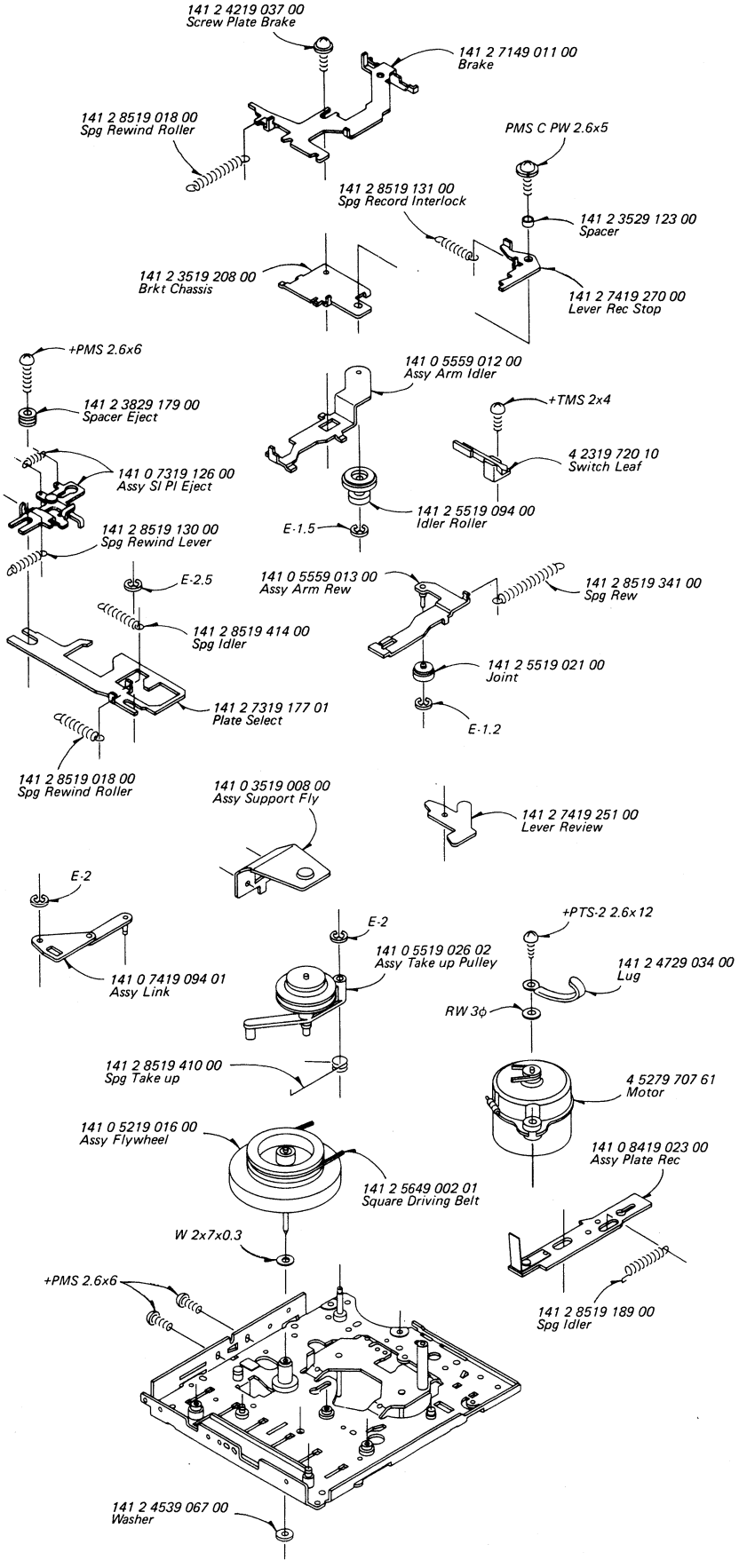


Parts marked with ★ are included in Cabinet Top Compl. (141 0 1119 371 00 0)

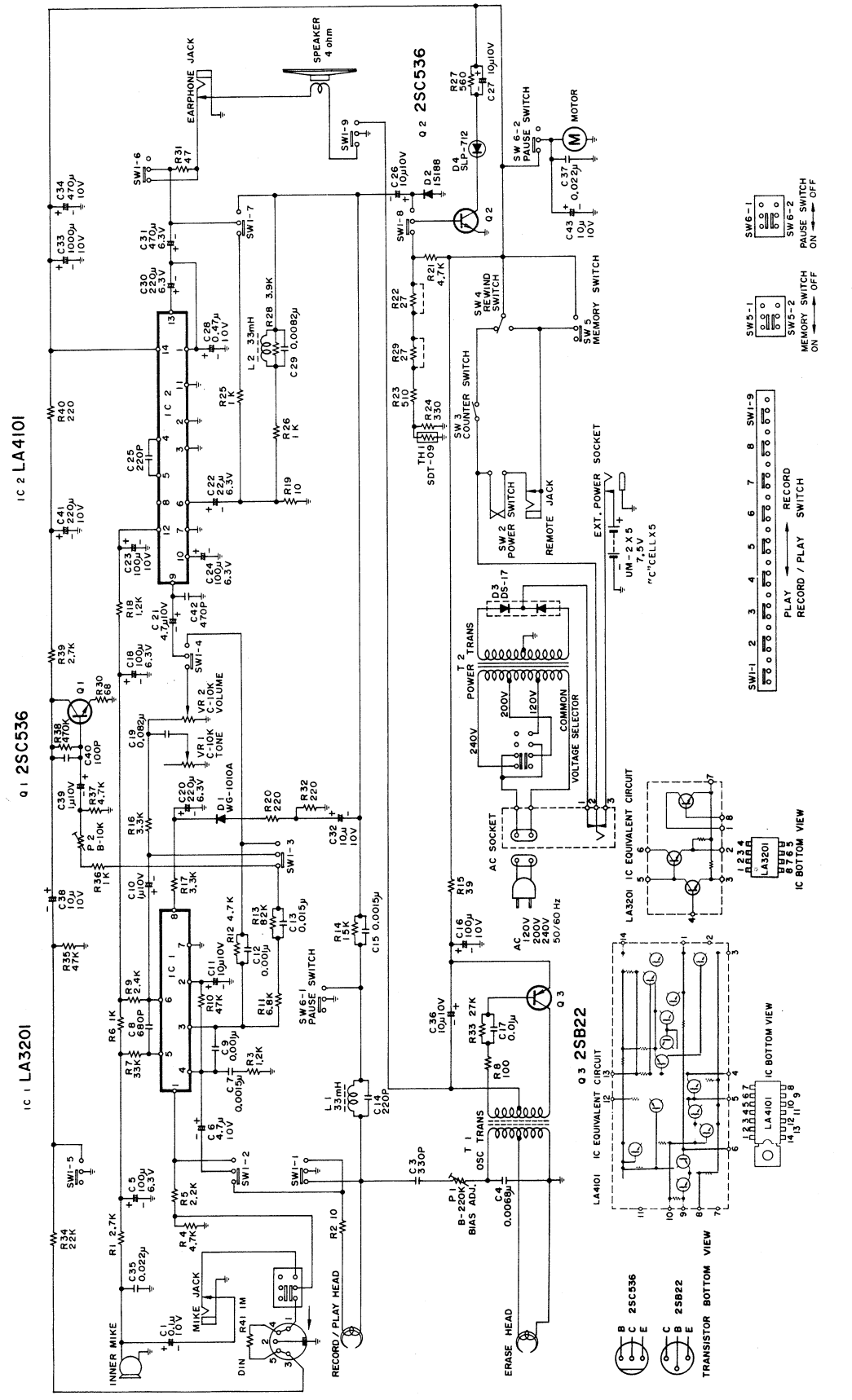
EXPLODED VIEW (CHASSIS)



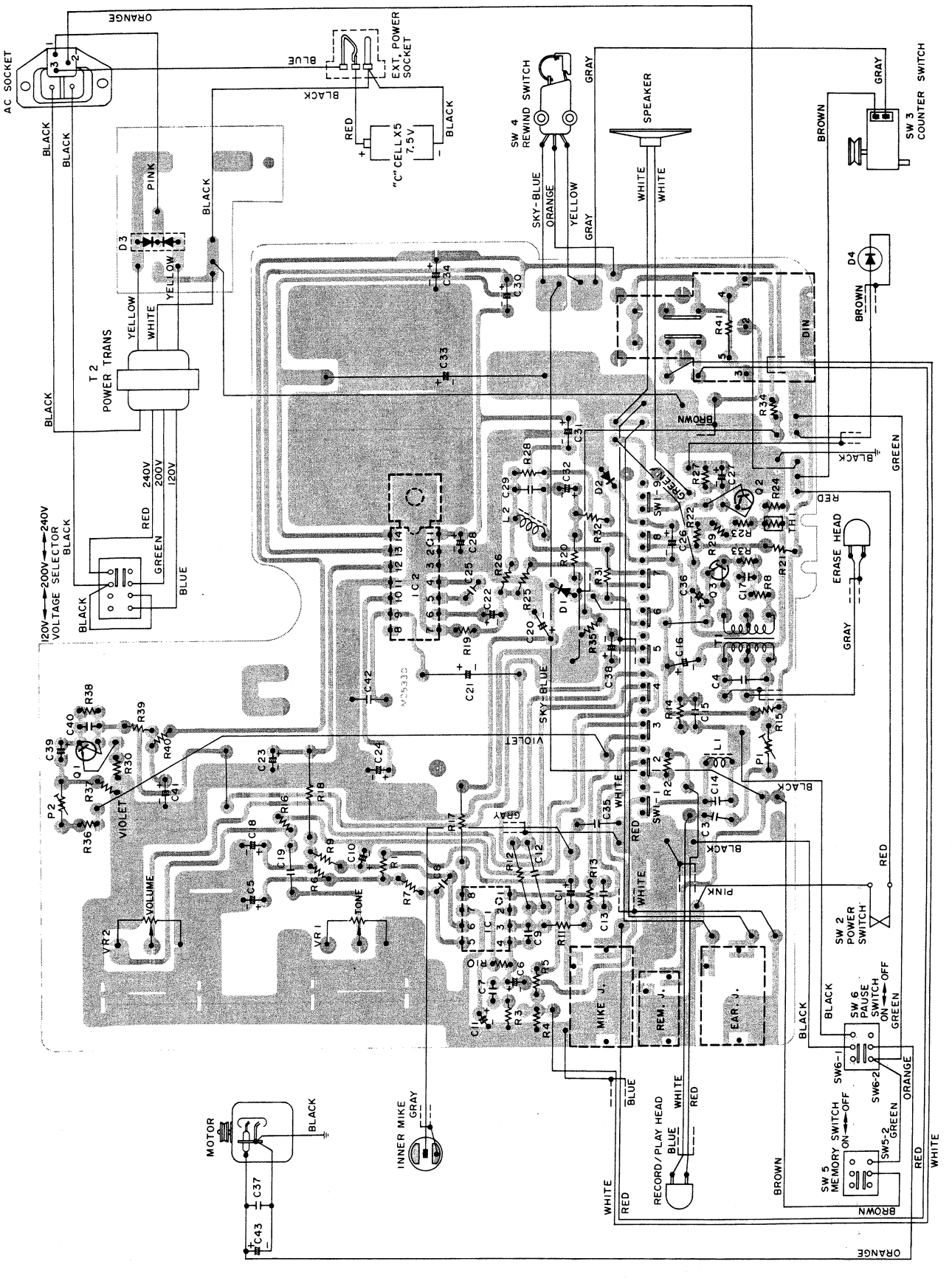
EXPLODED VIEW (CHASSIS)



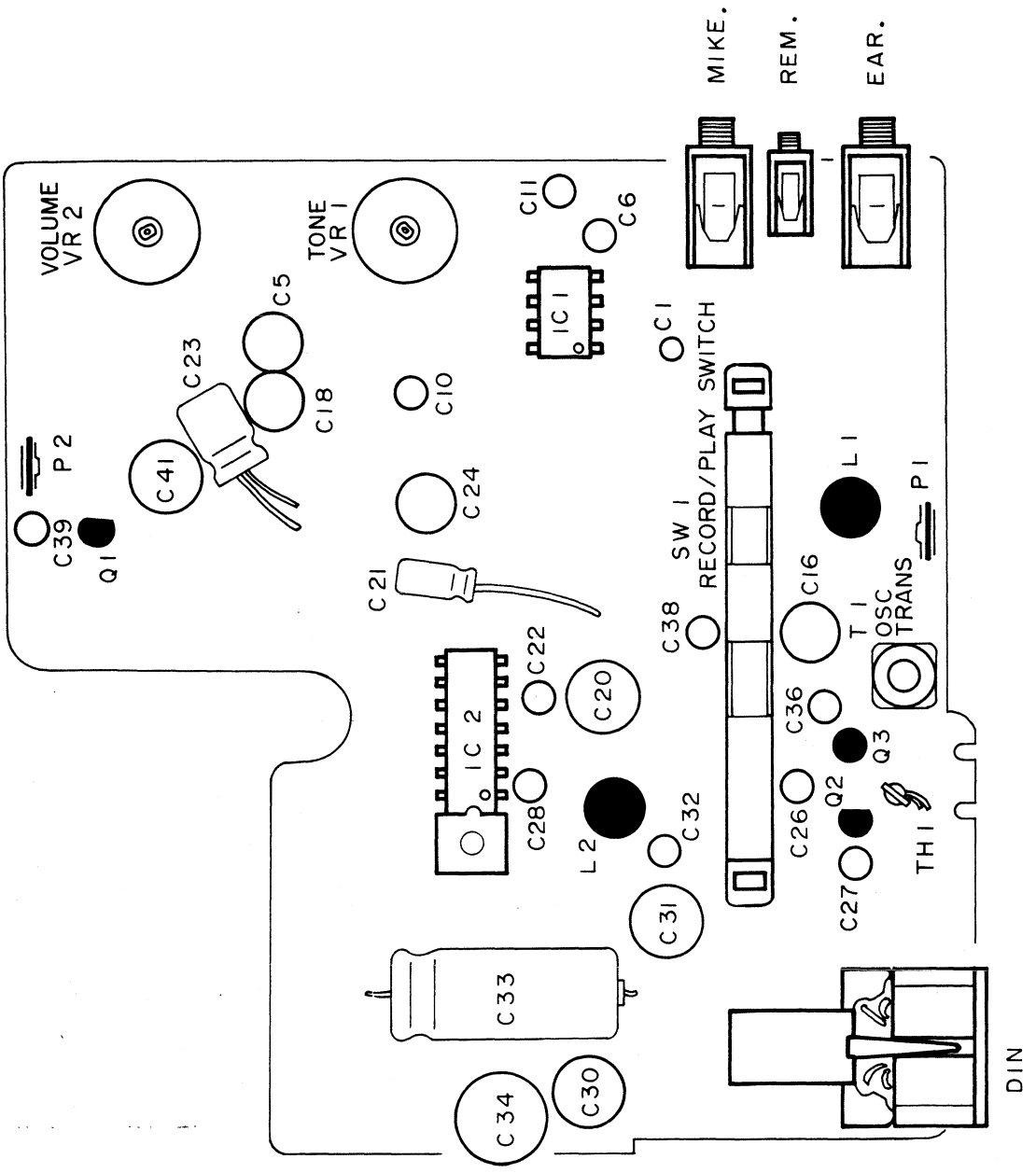
SCHEMATIC DIAGRAM



WIRING DIAGRAM



PARTS LOCATION



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